

Symposium Entanglement (SYEN)

jointly organised by
 the Theoretical and Mathematical Physics (MP),
 the Gravitation and Relativity (GR), and
 the Working Group on Philosophy of Physics (AGPhil)

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Entanglement has gone a long way from a puzzle about some peculiar quantum mechanical states, triggering illustrious disputes about the interpretation of QM, to a dominant effect in finite-temperature solid-state physics, a resource in quantum computation, a driving agent in black hole thermodynamics, and a tool in quantum measurement. The symposium aims to present some of these amazing facets with interest to many communities.

Overview of Invited Talks and Sessions

(Lecture hall Audimax)

Invited Talks

SYEN 1.1	Mon	16:30–17:10	Audimax	Squeezed and entangled light - now exploited by all gravitational-wave observatories — ●ROMAN SCHNABEL
SYEN 2.1	Mon	17:10–17:50	Audimax	Entanglement and Explanation — ●CHRIS TIMPSON
SYEN 3.1	Mon	17:50–18:30	Audimax	Entanglement and complexity in quantum many-body dynamics — ●TOMAZ PROSEN

Sessions

SYEN 1.1–1.1	Mon	16:30–17:10	Audimax	Entanglement in Experiments
SYEN 2.1–2.1	Mon	17:10–17:50	Audimax	Entanglement and Interpretation
SYEN 3.1–3.1	Mon	17:50–18:30	Audimax	Entanglement and Complexity